

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)

09/807234

INTERNATIONAL APPLICATION NO.  
PCT/KR00/01213INTERNATIONAL FILING DATE  
26 October 2000PRIORITY DATE CLAIMED  
15 March 2000

TITLE OF INVENTION

## GENOTYPING KIT FOR DIAGNOSIS OF HUMAN PAPILLOMAVIRUS INFECTION

APPLICANT(S) FOR DO/EO/US

PARK, Tae-Shin; KIM, Sung-Keun; KIM, Jin-Hee; PARK, Mi-Sun

Applicant herewith submits to the United States Designated/Elected office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S. C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371 (f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S. C. 371 (b) and PCT Articles 22 and 39 (1).
4. ☐ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☒ A copy of the International Application as filed (35 U.S. C. 371 (c) (2) )
  - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☒ has been transmitted by the International Bureau
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US)
6. ☒ A translation of the International Application into English (35 U.S. C. 371 (c)(2)).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ have been transmitted by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c) (3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

Items 11. to 16. below concern other document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98 (with 14 references).
12. ☒ An assignment document for recording. A **separate** cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A FIRST preliminary amendment.  
☐ A SECOND or SUBSEQUENT preliminary amendment.
14. ☐ A substitute specification.
15. ☐ A change of power of attorney an/or address letter.
16. ☒ Other items or information: Affirmation of Priority Claim; Verified Statement Claiming Small Entity Status;  
Sequence Listing with Sequence Listing Statement Pursuant To Rule 1.821(f).



07278

PATENT TRADEMARK OFFICE

Date

4-6-01

Label No.

853598812-40


I hereby certify that, on the date indicated above, this paper or fee was deposited with the U.S. Postal Service & that it was addressed for delivery to the Assistant Commissioner for Patents, Washington, DC 20231 by "Express Mail Post Office to Addressee" service.

Name (Print)

G. Karasz

Signature

G. Karasz

U.S. APPLICATION NO. 09/807204 (37 CFR 1.50)		INTERNATIONAL APPLICATION NO.: P 00/01213		Attorney's Docket Number 0136/OJ067																																																																															
17. [x] The following fees are submitted:  <b>Basic National Fee (37 CFR 1.492 (a)(1)-(5)):</b> Search Report has been prepared by the EPO [ ] or JPO [ ] <span style="float:right">\$860.00</span>  International preliminary examination fee paid to USPTO (37 CFR 1.482) ..... <span style="float:right">\$690.00</span>  No international preliminary examination fee paid to USPTO (37 CFR 4.482) but international search fee paid to USPTO (37 CFR 1.445 (a) (2))... <span style="float:right">\$710.00</span>  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO..... <span style="float:right">\$1,000.00</span>  International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4)..... <span style="float:right">\$100.00</span>				ALCULATIONS	PTO USE ONLY																																																																														
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				<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:20%;">Claims</th> <th style="width:20%;">Number Filed</th> <th style="width:20%;">Number Extra</th> <th style="width:20%;">Rate</th> <th style="width:10%;"></th> <th style="width:10%;"></th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td style="text-align:center;">11-20</td> <td style="text-align:center;">0</td> <td style="text-align:center;">X \$18.00</td> <td style="text-align:center;">\$</td> <td></td> </tr> <tr> <td>Independent Claims</td> <td style="text-align:center;">3-3</td> <td style="text-align:center;">0</td> <td style="text-align:center;">X \$80.00</td> <td style="text-align:center;">\$</td> <td></td> </tr> <tr> <td colspan="3">Multiple dependent claims(s) (if applicable) + 270</td> <td></td> <td style="text-align:center;">\$</td> <td></td> </tr> <tr> <td colspan="4" style="text-align:right;"><b>TOTAL OF ABOVE CALCULATIONS =</b></td> <td style="text-align:center;"><b>\$1000.00</b></td> <td></td> </tr> <tr> <td colspan="4">Reduction by 1/2 for filing by small entity, if applicable. Verified Small Entity statement must also be filed. (Note 37 CFR 1.9, 1.27, 1.28).</td> <td style="text-align:center;"><b>\$500.00</b></td> <td></td> </tr> <tr> <td colspan="4" style="text-align:right;"><b>SUBTOTAL =</b></td> <td style="text-align:center;"><b>\$500.00</b></td> <td></td> </tr> <tr> <td colspan="4">Processing fee of \$130.00 for furnishing the English translation later the <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)). <span style="float:right;">+</span></td> <td></td> <td></td> </tr> <tr> <td colspan="4" style="text-align:right;"><b>TOTAL NATIONAL FEE =</b></td> <td style="text-align:center;"><b>\$500.00</b></td> <td></td> </tr> <tr> <td colspan="4">Fee for recording the enclosed assignment (37 CFR 1.21(h)). the assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property <span style="float:right;">+</span></td> <td style="text-align:center;"><b>\$40.00</b></td> <td></td> </tr> <tr> <td colspan="4" style="text-align:right;"><b>TOTAL FEES ENCLOSED =</b></td> <td style="text-align:center;"><b>\$540.00</b></td> <td></td> </tr> <tr> <td colspan="4"></td> <td style="text-align:center;">Amount to be: refunded</td> <td style="text-align:center;">\$</td> </tr> <tr> <td colspan="4"></td> <td style="text-align:center;">charged:</td> <td style="text-align:center;">\$</td> </tr> </tbody></table>		Claims	Number Filed	Number Extra	Rate			Total Claims	11-20	0	X \$18.00	\$		Independent Claims	3-3	0	X \$80.00	\$		Multiple dependent claims(s) (if applicable) + 270				\$		<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$1000.00</b>		Reduction by 1/2 for filing by small entity, if applicable. Verified Small Entity statement must also be filed. (Note 37 CFR 1.9, 1.27, 1.28).				<b>\$500.00</b>		<b>SUBTOTAL =</b>				<b>\$500.00</b>		Processing fee of \$130.00 for furnishing the English translation later the <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)). <span style="float:right;">+</span>						<b>TOTAL NATIONAL FEE =</b>				<b>\$500.00</b>		Fee for recording the enclosed assignment (37 CFR 1.21(h)). the assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property <span style="float:right;">+</span>				<b>\$40.00</b>		<b>TOTAL FEES ENCLOSED =</b>				<b>\$540.00</b>						Amount to be: refunded	\$					charged:	\$
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a. [X] A check in the amount of <u>\$540.00</u> to cover the above fees is enclosed.  b. [ ] Please charge my Deposit Account No.04-0100 in the amount of \$ to cover the above fees.  c. [X] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 04-0100. A duplicate copy of this sheet is enclosed.																																																																																			
<b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.																																																																																			
SEND ALL CORRESPONDENCE TO: S. Peter Ludwig, Esq. Darby & Darby P.C. 805 Third Avenue New York, New York 10022-7513																																																																																			
SIGNATURE  NAME Marie L. Collazo, Registered Patent Agent REGISTRATION NO. 44,085																																																																																			

Inventor or Patentee: PARK, Tae-Shin et al.

Case No.:

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Applicant or Patent No.:

Filed or Issued:

Title: GENOTYPING KIT FOR DIAGNOSIS OF HUMAN PAPILLOMAVIRUS INFECTION

## VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS

1. I, the undersigned, do hereby declare that:

- a. ☐ I am an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees to the Patent and Trademark Office with regard to the invention described in the patent or application identified above; OR
- b. ☐ While I am not an inventor, I declare that rights under contract or law have been conveyed to and remain with me with regard to the invention described in the patent or application identified above. I would qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying fees to the United States Patent and Trademark Office if I had made the invention; OR
- c. ☐ I am the owner of the small business concern identified below  
OR  
☒ I am an official of the small business concern empowered to act on behalf of the concern identified below:

NAME OF SMALL BUSINESS:

ADDRESS OF SMALL BUSINESS:

If either of the boxes in item (c) is checked, I further declare that the above-identified small business concern qualifies as a small business concern as defined in 13 CFR 121.12, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees to the United States Patent and Trademark Office, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both. I further declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention described in the patent or application identified above; or

- d. ☐ I am an official empowered to act on behalf of the nonprofit organization identified below:

NAME OF NONPROFIT ORGANIZATION: BIOMEDLAB CORPORATION

ADDRESS OF NONPROFIT ORGANIZATION: 4<sup>th</sup> Fl., Dongsung Bldg., 1-49  
Dongsung-dong, Jongno-gu,  
Seoul 110-510, Republic of  
Korea

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Inventor or Patentee: PARK, Tae-Shin et al.

Case No.:

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Applicant or Patent No.:

Filed or Issued:

Title: **GENOTYPING KIT FOR DIAGNOSIS OF HUMAN PAPILLOMAVIRUS INFECTION**

TYPE OF NONPROFIT ORGANIZATION:

- ☐ university or other institution of higher education
- ☐ tax exempt under Internal Revenue Service Code(26 USC 501(a) and 501(c)(3))
- ☐ nonprofit scientific or educational under statute of state of the United States of America  
(name of state: )  
(citation of statute: )
- ☐ would qualify as tax exempt under Internal Revenue Service Code(26 USC 501(a) and 501(c)(3)) if located in the United States of America
- ☐ would qualify as nonprofit scientific or educational under statute of state of the United States of America if located in the United States of America  
(name of state: )  
(citation of statute: )

If Box(d) is checked, I further declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees to the United States Patent and Trademark Office regarding the invention described in the patent or application identified above.

2. The individual, concern or organization identified above has not assigned, granted, conveyed or licensed, and is under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).
3. If the rights held by above-identified individual, concern or organization are not exclusive, each individual, concern or organization having rights in the invention are identified below. Each such individual, concern or organization must file separate verified statements averring to their status as small entities.

**\*Note: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27).**

FULL NAME:

ADDRESS:

☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

FULL NAME:

ADDRESS:

☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

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Filed or Issued:

Title: GENOTYPING KIT FOR DIAGNOSIS OF HUMAN PAPILLOMAVIRUS INFECTION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

ADDRESS OF PERSON SIGNING: 4<sup>th</sup> Fl., Dongsung Bldg., 1-49 Dongsung-dong, Jongno-gu,  
Seoul 110-510, Republic of Korea

ADDRESS OF PERSON SIGNING:

ADDRESS OF PERSON SIGNING:

DATE :